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Alvin L. Blum

12/2/02

IN THE UNITED STATES PATENT AND TRADEMARKS OFFICE

APPLICANT: ROBERT FERNANDEZ

SERIAL NUMBER : 09/993261

FILED: 11/14/01

GROUP ART UNIT: 2837

DOCKET NUMBER: F100128

EXAMINER: JIANG, CHEN WEN

FOR: VEHICLE AIR CONDITIONER WITH INVERTER

Commissioner of Patents and Trademarks

Washington, DC20231

AMENDMENT

SIR,

In response to the office action of 11/21/02, please amend the application as follows:

INVENTOR NAME

Please correct the spelling: ROBERT FERNANDEZ. There is no middle initial.

IN THE CLAIMS

1(amended). A cooling system for a vehicle having a low voltage DC electric supply and an engine, the cooling system comprising:

- a) a compressor driven by the engine, so that the speed of the engine determines the speed of the compressor;
- b) a condenser connected to the compressor;
- c) an evaporator connected to the condenser and the compressor;
- d) a DC to AC inverter connected to the low voltage DC electric supply;
- e) a first AC powered fan connected to the AC output of the inverter for cooling the condenser; and
- f) a second AC powered fan connected to the AC output of the inverter for circulating air through the evaporator and the space being cooled.

2(amended). The cooling system according to claim 1, in which the inverter is capable of providing a variable frequency output, and at least one of the first AC powered fan and